

Applicants: BEN-YEHUDA, Guy et al.
Serial Number: 10/748,665

Assignee: Intel Corporation
Attorney Docket: P-6223-US

REMARKS

Applicants have carefully studied the Office Action. This paper is intended to be fully responsive to all points of rejection and objection raised by the Office Action and is believed to place the application in condition for allowance. Favorable reconsideration and allowance of the application are respectfully requested.

Status of the Claims

Claims 1-24 are pending in the Application. Claims 1-8, 10-11, 13, 15-18, 20-21 and 23-24 have been amended.

Specification

The title has been amended to correct an inadvertent typographical error, by inserting a comma between the word "DEVICE" and the word "SYSTEM".

No new matter has been added.

Voluntary Amendment of Claims

Applicants have amended claims 1-8, 10-11, 13, 15-18, 20-21 and 23-24 to more clearly define what the Applicants regard as the invention.

No new matter has been added.

Claim Rejections Under 35 USC §103(a)

The Office Action rejected claims 1-24 under 35 USC §103(a) as being unpatentable over United States Patent Number 6,430,414 to Sorokine et al. ("Sorokine") in view of United States Patent Number 6,259,916 to Bourk et al. ("Bourk") and further in view of United States Patent Number 5,930,710 to Sawyer et al. ("Sawyer").

Without conceding the appropriateness of the combination, and without conceding that the combination renders claims 1-24 obvious, Applicants respectfully submit that in

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view of the foregoing amendment, the rejection of claims 1-24 under 35 USC §103(a) as being unpatentable over Sorokine in view of Bourk and Sawyer should be withdrawn.

Each of amended independent claims 1, 8, 15 and 17 recites in paraphrase: in a non-idle state of a wireless communication device, receiving from a base station a signal representing a list of cells; and in an idle state of said wireless communication device: determining whether the list of cells includes an identification of one or more neighboring cells of said wireless communication device; if the list does not include an identification of one or more neighboring cells of said wireless communication device, searching for neighboring cells by operating a Radio Frequency receiver to scan one or more channels during a first search period, and performing an offline multi-path search for one or more neighboring base stations after the first search period expires; and if the list includes an identification of one or more neighboring cells of said wireless communication device, searching for neighboring cells by operating the Radio Frequency receiver to scan one or more selected channels during a second search period, and performing an offline multi-path search for one or more neighboring base stations after the second search period expires, wherein the second search period is shorter than the first search period, and wherein scanning the one or more selected channels during the second search period comprises scanning channels associated with the one or more neighboring cells included in said list. Sorokine, Bourk and/or Sawyer, alone or in combination, do not disclose, teach or suggest at least these features of amended independent claims 1, 8, 15 and 17. Therefore, Sorokine, Bourk and/or Sawyer, alone or in combination, do not render amended independent claims 1, 8, 15 and 17 obvious.

Amended independent claim 20 recites: in a non-idle state of a wireless communication device, receiving from a base station a signal representing a list of cells; and in an idle state of said wireless communication device: determining whether the list of cells includes an identification of one or more neighboring cells of said wireless communication device; if the list does not include an identification of one or more neighboring cells of said wireless communication device, searching for neighboring cells by operating a Radio Frequency receiver to scan a first set of SYNC channels during a first

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search period, and performing an offline multi-path search for one or more neighboring base stations after the first search period expires; and if the list includes an identification of one or more neighboring cells of said wireless communication device, searching for neighboring cells by operating the Radio Frequency receiver to scan a second set of SYNC channels during a second search period, and performing an offline multi-path search for one or more neighboring base stations after the second search period expires, wherein the second search period is shorter than the first search period, and wherein scanning the second set of SYNC channels during the second search period comprises scanning channels associated with the one or more neighboring cells included in said list. Sorokine, Bourk and/or Sawyer, alone or in combination, do not disclose, teach or suggest at least these features of amended independent claim 20. Therefore, Sorokine, Bourk and/or Sawyer, alone or in combination, do not render amended independent claim 20 obvious.

Claims 2-7, claims 9-14, claim 16, claims 18-19, and claims 21-24 are dependent from amended independent claims 1, 8, 15, 17, and 20, respectively, and include all the features of these amended independent claims as well as additional distinguishing features. Therefore, it is respectfully submitted that the patentability of claims 2-7, claims 9-14, claim 16, claims 18-19, and claims 21-24 follows directly from the patentability of amended independent claims 1, 8, 15, 17, and 20, respectively.

In view of the above, Applicants respectfully request that the rejection of claims 1-24 under 35 USC §103(a) as being unpatentable over Sorokine in view of Bourk and Sawyer be withdrawn.

Conclusion

In view of the foregoing amendment and remarks, and for at least the reasons discussed above, Applicants respectfully submit that claims 1-24 are deemed to be allowable. Their favorable reconsideration and allowance are respectfully requested.

Should the Examiner have any question or comment as to the form, content or entry of this paper, the Examiner is requested to contact the undersigned at the telephone number below. Similarly, if there are any further issues yet to be resolved to advance the

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prosecution of this application to issue, the Examiner is requested to telephone the undersigned counsel.

No fees are believed to be due in connection with this paper. However, if any fees are in fact due in connection with this paper, please charge any such fees to deposit account No. 50-3355.

Respectfully submitted,

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